

**Anti-Human/Mouse/Rat OGT Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA05218**

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3th Edition

**Description:**OGT (O-Linked N-Acetylglucosamine (GlcNAc) Transferase) is a Protein Coding gene. Diseases associated with OGT include Adams-Oliver Syndrome and Spinocerebellar Ataxia 10. Among its related pathways are Circadian rhythm related genes and Deubiquitination. GO annotations related to this gene include identical protein binding and phosphatidylinositol-3,4,5-trisphosphate binding. An important paralog of this gene is TMTC3. This gene encodes a glycosyltransferase that catalyzes the addition of a single N-acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains multiple tetratricopeptide repeats that are required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

**Antigen:**Synthesized peptide derived from human OGT Polyclonal

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Highly expressed in pancreas and to a lesser extent in skeletal muscle, heart, brain and placenta. Present in trace amounts in lung and liver.